

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (use several sheets if necessary)  (PTO-1449)	ATTY. DOCKET NO. 176/60792 (6-11415-868)	SERIAL NO. 09/606,129
	APPLICANT Mahin D. Maines	
	FILING DATE June 28, 2000	GROUP ART UNIT To Be Assigned 1652

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## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

DR	1	Panahian et al., "Enhanced Neuronal Expression of the Oxidoreductase - Biliverdin Reductase - After Permanent Focal Cerebral Ischemia," <u>Brain Research</u> 850:1-13 (1999)
DR	2	Maines et al., "Spin Trap (N-t-butyl- $\alpha$ -phenylnitron)-Mediated Suprainduction of Heme Oxygenase-1 in Kidney Ischemia/Reperfusion Model: Role of the Oxygenase in Protection Against Oxidative Injury," <u>The Journal of Pharmacology and Experimental Therapeutics</u> 291(2):911-919 (1999)
DR	3	Maines et al., "Human Biliverdin IX $\alpha$ Reductase is a Zinc-Metalloprotein: Characterization of Purified and <i>Escherichia coli</i> Expressed Enzymes," <u>Eur. J. Biochem.</u> 235:372-381 (1996)
DR	4	McCoubrey et al., "Site-Directed Mutagenesis of Cysteine Residues in Biliverdin Reductase: Roles in Substrate and Cofactor Binding," <u>Eur. J. Biochem.</u> 22:597-603 (1994)
DR	5	Ewing et al., "Biliverdin Reductase is Heat Resistant and Coexpressed with Constitutive and Heat Shock Forms of Heme Oxygenase in Brain," <u>J. Neurochem.</u> 61:1015-1023 (1993)
DR	6	Maines et al., "Purification and Characterization of Human Biliverdine Reductase," <u>Archives of Biochemistry and Biophysics</u> 300(1):320-326 (1993)
DR	7	Fakhrai et al., "Expression and Characterization of a cDNA for Rat Kidney Biliverdin Reductase," <u>J. Biol. Chem.</u> 267(6):4023-4029 (1992)
DR	8	Huang et al., "Detection of 10 Variants of Biliverdin Reductase in Rat Liver by Two-Dimensional Gel Electrophoresis," <u>J. Biol. Chem.</u> 264(14):7844-7849 (1989)
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DR	9	Huang et al., "Microheterogeneity of Biliverdin Reductase in Rat Liver and Spleen: Selective Suppression of Enzyme Variants in Liver by Bromobenzene," <u>Archives of Biochemistry and Biophysics</u> 274(2):617-625 (1989)
DR	10	Huang et al., "Multiple Forms of Biliverdin Reductase: Modification of the Pattern of Expression in Rat Liver by Bromobenzene," <u>Archives of Biochemistry and Biophysics</u> 270(2):513-520 (1989)
DR	11	Kutty et al., "Biliverdin Reductase: Characterization in the Rat Kidney and the Inhibition of Activity by Mercuric Chloride," <u>Biochem. Pharmac.</u> 32(13):2095-2102 (1983)
DR	12	Kutty et al., "Purification and Characterization of Biliverdin Reductase from Rat Liver," <u>J. Biol. Chem.</u> 256(8):3956-3962 (1981)
DR	13	Kutty et al., "Oxidation of Heme c Derivatives by Purified Heme Oxygenase," <u>J. Biol. Chem.</u> 257(17):9944-9952 (1982)
DR	14	Van Bergen, "Hemoglobin and Iron-Evoked Oxidative Stress in the Brain: Protection by Bile Pigments, Manganese and S-Nitrosoglutathione," <u>Free Rad. Res.</u> 31:631-640 (1999)
DR	15	Qato et al., "Prevention of Neonatal Hyperbilirubinaemia in Non-Human Primates by Zn-Protoporphyrin," <u>Biochem. J.</u> 226:51-57 (1985)
DR	16	Magnusson et al., "Heme Oxygenase-1, Heme Oxygenase-2 and Biliverdin Reductase in Peripheral Ganglia from Rat, Expression and Plasticity," <u>Neuroscience</u> 95(3):821-829 (2000)
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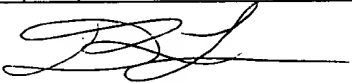
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DR	18	Frydman et al., "Identification of the Amino Acid Residues Essential for the Activity and the Interconversion of the Molecular Forms of Biliverdin Reductase," <u>Biochimica et Biophysica Acta</u> 1040:119-129 (1990)
DR	19	McCoubrey et al., "The Structure, Organization and Differential Expression of the Rat Gene Encoding Biliverdin Reductase," <u>Gene</u> 160:235-240 (1995)
DR	20	Huang et al., "Bromobenzene-Mediated Alteration in Activity and Electrophoretic Pattern of Biliverdin Reductase Variants in Rat Kidney," <u>Mol. Pharmacol.</u> 37:25-29 (1989)
DR	21	Beri et al., "Biliverdin Reductase Activity in Relation to Bilirubin," <u>Biochemical Society Transactions</u> 20:353S (1992)
DR	22	Kutty et al., "Rat Liver Cytochrome P-450b, P-420b, and P-420c are Degraded to Biliverdin by Heme Oxygenase," <u>Archives of Biochemistry and Biophysics</u> 260(2):638-644 (1988)
DR	23	Bell et al., "Kinetic Properties and Regulation of Biliverdin Reductase," <u>Archives of Biochemistry and Biophysics</u> 263(1):1-9 (1988)
DR	24	Kutty et al., "Hepatic Heme Metabolism: Possible Role of Biliverdin in the Regulation of Heme Oxygenase Activity," <u>Biochemical and Biophysical Research Communications</u> 122(1):40-46 (1984)
DR	25	Yamaguchi et al., "Biliverdin-IX $\alpha$ Reductase and Biliverdin-IX $\beta$ Reductase from Human Liver," <u>J. Biol. Chem.</u> 269(39):24343-24348 (1994)
DR	26	Maines, "New Developments in the Regulation of Heme Metabolism and Their Implications," <u>CRC Critical Reviews in Toxicology</u> 12(3):241-314 (1984)
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DR	28	Willis et al., "Heme Oxygenase: A Novel Target for the Modulation of the Inflammatory Response," <u>Nature Medicine</u> 2(1):87-90 (1996)
DR	29	Maines, "Characterization of Heme Oxygenase Activity in Leydig and Sertoli Cells of the Rat Testes," <u>Biochemical Pharmacology</u> 33(9):1493-1502 (1984)
DR	30	Lee et al., "Overexpression of Heme Oxygenase-1 in Human Pulmonary Epithelial Cells Results in Cell Growth Arrest and Increased Resistance to Hyperoxia," <u>Proc. Natl. Acad. Sci. USA</u> 93:10393-10398 (1996)
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DR	32	Komuro et al., "Cloning and Characterization of the cDNA Encoding Human Biliverdin-IX $\alpha$ Reductase," <u>Biochimica et Biophysica Acta</u> 1309:89-99 (1996)
DR	33	Cunningham et al., "Cloning, Overexpression and Purification of Biliverdin IX- $\beta$ Reductase," <u>Biochemical Society Transactions</u> 25:S613 (1997)
DR	34	Yamaguchi et al., "Complete Amino Acid Sequence of Biliverdin-IX $\beta$ Reductase from Human Liver," <u>Biochemical and Biophysical Research Communications</u> 197(3):1518-1523 (1993)
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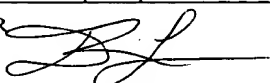
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		<u>Molecular Pharmacology</u> 38:481-485 (1990)
ML	38	Mayer et al., "Promotion of <i>trans</i> -Platinum <i>In Vivo</i> Effects on Renal Heme and Hemoprotein Metabolism by D,
		L-Buthionine-S,R-Sulfoximine," <u>Biochemical Pharmacology</u> 39(10):1565-1571 (1990)
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		Arginine Vasopressin from Rat Hypothalamic Explants. Molecular Linkage Between Heme Catabolism and Neuroendocrine
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ML	40	Guerre et al., "Dose-Related Increase in Liver Heme Catabolism During Rabbit Aflatoxicosis,"
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R	41	Ennis et al., "Cloning and Overexpression of Rat Kidney Biliverdin IX $\alpha$ Reductase as a Fusion Protein with Glutathione
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		Domain Does Not Effect BVR-A Activity," <u>Biochem. J.</u> 326:33-36 (1997)
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JR		44	Komuro et al., "Molecular Cloning and Expression of Human Liver Biliverdin-IX $\beta$ Reductase,"
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